

## Binary Adder

Python has many functions. This question will train you to use `bin(x)` and `int(x, base)` as explained below.

`bin(x)`  
Return a binary string prefixed with "0b" constructed from an integer `x`.

`int(x, base)`  
Return an integer constructed from a string `x` in the specified `base` (default is 10).

Write a program that receives 2 integers(binary form)to find a sum and show it in binary form.  
You must use `bin` and `int` above

### Input

2 Strings that consist of number 0 and 1, separated by space, representing 2 binary numbers (both are non negative).

### Output

Sum of 2 input binary numbers, shown in binary. .

### Example

Input (from keyboard)	Output (on screen)
100101 11001	111110
000000 00000	0
1111111111111111111111111111 1	100000000000000000000000000000